

GP-300882

ADAPTIVE COMPENSATION METHOD FOR AN ANTI-LOCK BRAKE CONTROL

ABSTRACT OF THE DISCLOSURE

An improved anti-lock control method for a vehicle brake system identifies various factors that degrade the effectiveness of the brake system and adaptively adjusts a brake apply rate during anti-lock brake control to compensate for the identified degradation so that the optimal tractive force during anti-lock brake control is more nearly realized. The identified factors include fading due to brake heating, hydraulic leakage, mis-adjusted and non-releasing rear brakes, brake wear and excessive vehicle weight.